AMENDMENTS TO THE DRAWINGS

The attached sheet of drawings includes changes to Figure 9. This sheet, which includes Figure 9, replaces the original sheet including Figure 9.

Attachment: Replacement Sheet.

REPLACEMENT SHEET

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Title: ROBOT SIMULATION DEVICE, AND ROBOT SIMULATION PROGRAM

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Fig. 9

regions, routes and robot information are generated by a simulation device

send route information (commands) to a robbot all route information (command 1 - 3) are generated by the simulation

command 1

generates and sends coordinates of path points and data of circular arcs connecting the path points

- (X, Y) : coordinates axes of absolute positions a plurality of coordinate axes of the path points
 - (r) : radius of a circular arc, when path points are rounded by the circular arc

command 2

generates and sends speed data of a wafer transferring

AL: speed at startup acceleration

AS: acceleration at accelerating speed

OH: maximum speed

DS: acceleration at decelerating speed

DL: speed at end decelerating

command 3

generates and sends rotating information of a end effector (finger)

a plurality of rotating zones rotating angle (radian)

save & register

command data of all routes are sent to a control unit of a robot

in case 4-axes control is adopted, 4 control units are connected and command data for each control unit are specified